

**UNIVERSITY**



**MECHANICAL CONTRACTORS, INC.**

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SEATTLE, WASHINGTON 98133 • PHONE 364-9900  
CONTRACTOR'S LICENSE NUMBER UN-IV-MC-343N9

**February 7, 1985**

Northwest Tank Service  
P.O. Box 24282  
Seattle, WA 98124

Attention: Mr. L. E. Wilkinson

Subject: Seattle City Light  
RFP42672  
Bid Date 2/8/85

Gentlemen:

University Mechanical Contractors, Inc. proposes to act as General Contractor for the subject project. As the General Contractor, UMC will furnish, install and commission all equipment, piping, valves and other items as necessary to make a complete and operable system for the purpose of on-site incineration of the Seattle City Light PCB contaminated fuel oil. However, UMC does not assume any responsibility or liability for the permitting process required for the proposed system.

The pricing tendered for this proposal is based on the following scope of work:

1. Purchase and coordinate all materials required for this project. It is understood that all items furnished may serve a dual role and consequently, Northwest Tank Service may require approval prior to purchase. Primary equipment is described in COEN Co. Quotation No. SF-85-042 dated 2/6/85.
2. Develop and generate the following drawings:
  - A. Piping Design and Arrangement.
  - B. Piping Fabrication & Installation.
  - C. Pipe Supports and Hangers.
  - D. Equipment Foundation Requirements.

CTY0069054

SEA315468



February 7, 1985

The City of Seattle  
Purchasing Department  
400 Yesler Building  
Room 405  
Seattle, Washington 98104

Attention: Mr. E. R. Jones

Subject: RFP No. 42672  
Seattle City Light  
Lake Union Steam Plant  
Fuel Oil PCB Cleanup

Gentlemen:

Acurex Corporation is pleased to submit herewith a proposal to cleanup PCB contaminated fuel oil onsite at your Lake Union Steam Plant as described in the subject RFP. The proposed work will be performed by the Energy & Environment Division of Acurex Corporation.

Acurex has prepared this proposal for two alternate methods after a careful evaluation of the problem as described in the RFP, and, the current state of the art in PCB destruction using the best available technology.

The two methods with their estimated costs and implementation times are:

- Alternate I -- Thermal Destruction of PCB's

\$225,000

To be implemented in 6 months 15 days

- Alternate II -- Chemical Destruction of PCB's

\$100,000 for Phases I and II plus \$2.00 per gallon of contaminated oil for a minimum of 100,000 gallons

To be implemented in 8 months 10 days

Acurex firmly believes Alternate I, namely, Thermal Destruction, will provide Seattle City Light the most simple, proven, highly cost-effective, safe, and lowest risk method of PCB destruction in Residual No. 6 Oil. This

- F. Ductwork Layout.
  - G. Electrical Single Line Diagrams.
  - H. Tie-Ins and Interfaces with Existing Piping, Electrical and Stack Systems.
3. Furnish all labor, material, and supervision to install and fully commission all equipment supplied.
  4. Design, fabrication and installation of all piping systems will be done in accordance ANSI/ASME B31.1 includes process steam line from waste heat boiler to Seattle City Light turbine-generator.
  5. Where applicable, all equipment and piping will be hydrostatically tested prior to start-up. Contaminated fuel oil piping will be designed as a welded system and will be hydrostatically tested prior introduction of contaminated oil.
  6. Start-up assistance and operator training as required and in accordance with the COEN Co. proposal but not to exceed a two week period.
  7. Upon completion of the contaminated oil incineration process, UMC will dismantle all equipment and piping, load out all materials on Northwest Tank furnished truck and return the site to its original condition.
  8. UMC will furnish a performance bond for the construction portion of this project. COEN Co. will provide a performance bond for its system. COEN Co. will be responsible for the system process design. UMC assumes no responsibility or liability for system design.
  9. All materials furnished for this project shall become the property of Northwest Tank upon delivery to jobsite and receipt of payment by UMC.
  10. Contract for all work described by this proposal to be issued within 90 days from date of this proposal and all work to be complete within 1 calendar year from date of proposal.

In addition to the above scope of work, we have the following exclusions and/or clarifications:

1. Northwest Tank will provide dumpster services for normal construction site generated rubbish and waste.
2. Northwest Tank will dispose of on-site contaminated soil which may be required to be removed for equipment footings and foundations.

3. Existing building basement footings, foundations and slab are assumed to be adequate without modification for installation of the incinerator and boiler.
4. Conditioned boiler feedwater will be furnished at no cost to the waste heat boiler by Seattle City Light.
5. Heated and pressurized contaminated fuel will be furnished by Seattle City Light as required by the incinerator.
6. All start-up and operational fuels, No. 2 diesel and propane, will be furnished by Northwest Tank.
7. Prior to dismantling of the piping and equipment, Northwest Tank will decontaminate all systems as required.
8. Instrument air and general plant air will be furnished on site by Seattle City Light at no cost.
9. Electrical power as required and at the voltages necessary by the system will be furnished by Seattle City Light at no cost.
10. Incineration process design will be furnished by COEN Co. as outlined in their proposal. However, all permits required to operate and install this system must be furnished by others. UMC will provide a standard Mechanical Building Permit if required.
11. A blanket liability insurance policy covering all phases of the work and naming UMC as one of the insured parties will be furnished by Northwest Tank.
12. Northwest Tank will dispose of all concrete rubble from footings and foundation which must be removed at the conclusion of this project.

Based on the above criteria, the lump sum price, exclusive of Washington State Sales Tax is \_\_\_\_\_.

This pricing is valid for a period of 90 days from the date of this proposal. After 90 days, the above quoted price may be subject to escalation.

Terms of Payment:

1. Monthly progress billings will be made by the 25th of the month and will be due and payable by the 10th of the month following.
2. Progress billings for the COEN Co. will be submitted through UMC on a schedule outlined in their proposal.

3. Upon completion of start-up, UMC's responsibilities will have been fully discharged and all monies owed shall be due and payable with the exception of a sum of \$40,000 to cover dismantling of the incineration system upon completion of the contract.

We are enclosing herewith a copy of our proposed construction schedule.

UMC appreciates the opportunity to submit this proposal. If we can be of any further service, please contact the undersigned.

Very truly yours,

UNIVERSITY MECHANICAL CONTRACTORS, INC.



Robert M. Coston

RMC/phs